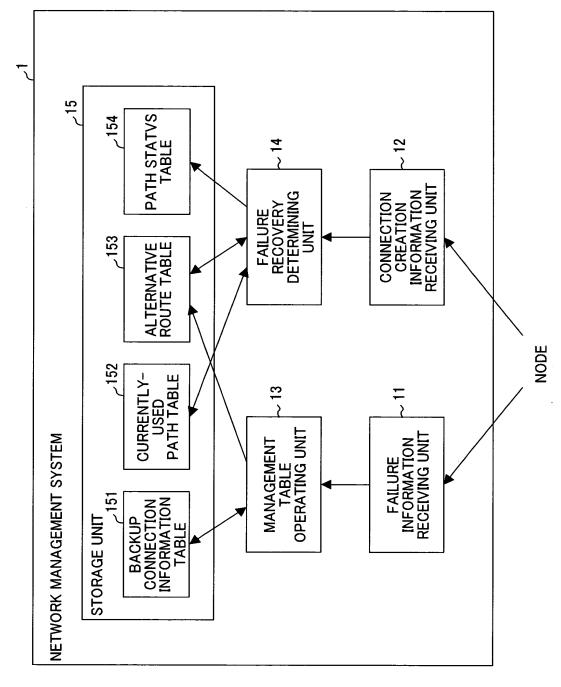


FIG. 3



BACKUP CONNECTION INFORMATION TABLE

CURRENTLY-USED PATH	BACKUP CONNECTION INFORMATION
PATH P1	SNC4, SNC5, SNC6, SNC7, SNC8
PATH P2	•••
•	•
•	:

FIG. 5

CURRENTLY-USED PATH TABLE

BACKUP CONNECTION INFORMATION	CURRENTLY-USED PATH
SNC4	PATH P1
SNC5	PATH P1, PATH P2, PATH P3
SNC6	PATH P1, PATH P2
•	
•	•

ALTERNATIVE ROUTE MANAGEMENT TABLE

CURRENTLY -USED PATH	BACKUP CONNECTION INFORMATION	BACKUP CONNECTION INFORMATION CREATION FLAG	CURRENTLY -USED PATH RECOVERY FLAG
	SNC4	0	
	SNC5	1	
PATH P1	SNC6	1	o
	SNC7	0	
	SNC8	0	
•	•	•	
•	•	•	•

FIG. 7

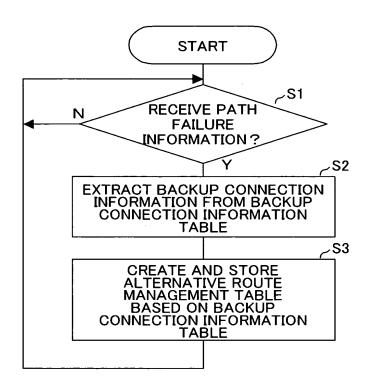
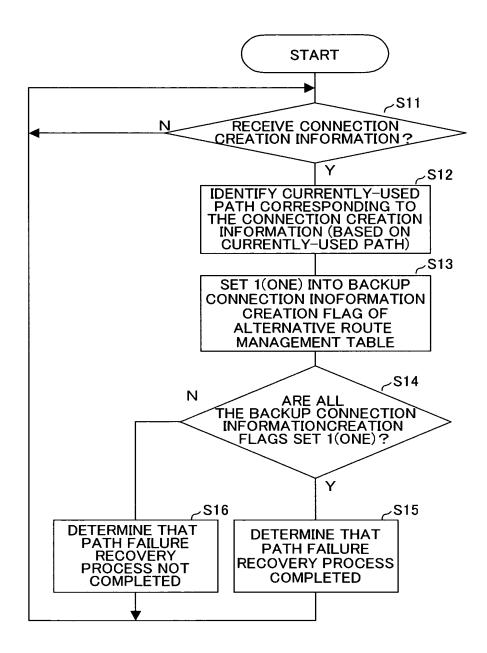


FIG. 8



CREATION CONNECTION INFORMATION MANAGEMENT

CREATION CONNECTION INFORMATION
SNC6
SNC5
•
•
•

FIG. 10

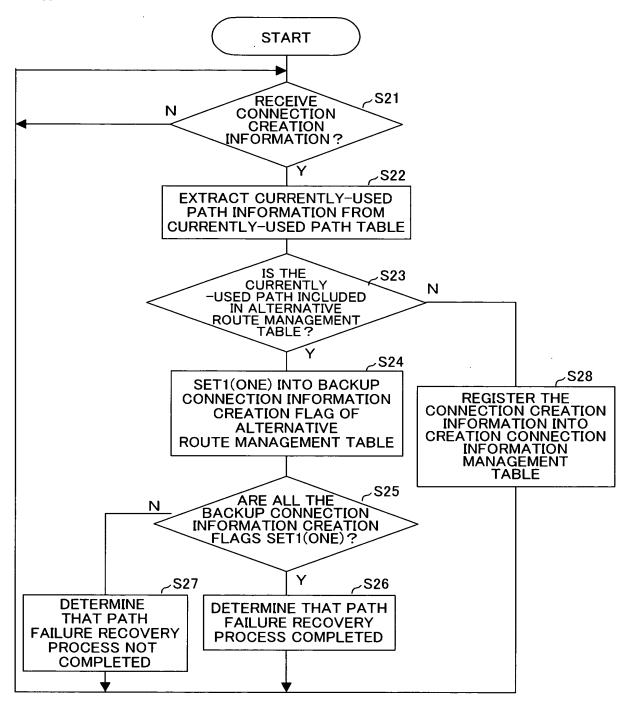
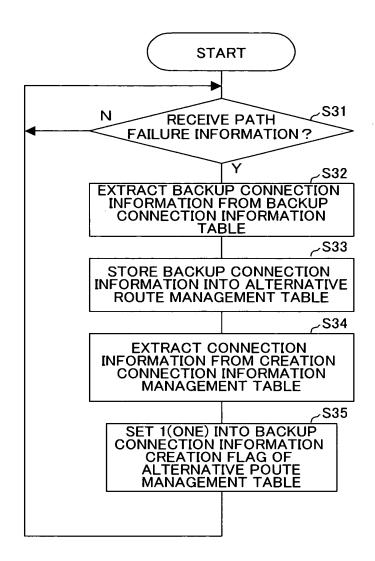
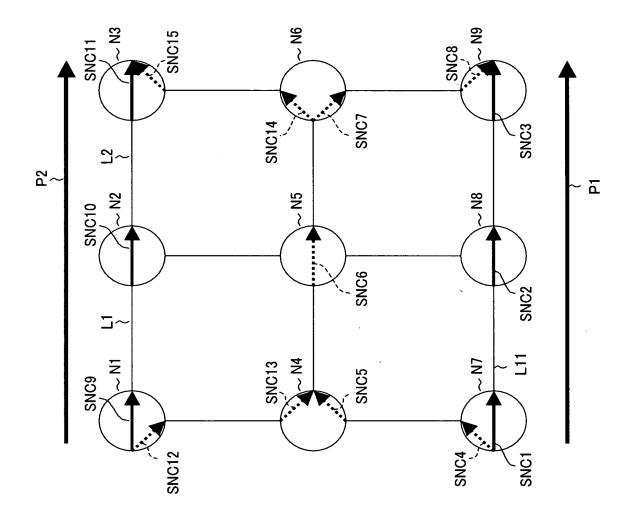


FIG. 11





CURRENTLY-USED PATH TABLE

BACKUP CONNECTION INFORMATION	CURRENTLY-USED PATH
SNC4	PATH P1
SNC5	PATH P1
SNC6	PATH P1, PATH P2
SNC7	PATH P1
SNC8	PATH P1
SNC12	PATH P2
SNC13	PATH P2
SNC14	PATH P2
SNC15	PATH P2
•	•
	•

FIG. 14

ALTERNATIVE ROUTE MANAGEMENT

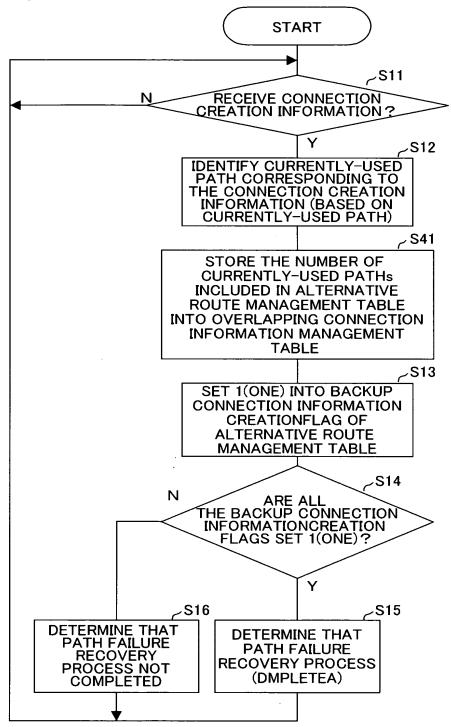
CURRENTLY -USED PATH	BACKUP CONNECTION INFORMATION	BACKUP CONNECTION INFORMATION CREATION FLAG	CURRENTLY -USED PATH RECOVERY FLAG
	SNC4	0	
	SNC5	1	
PATH P1	SNC6	1	О
	SNC7	0	
	SNC8	0	
	SNC12	0	
	SNC13	0	
PATH P2	SNC6	1	o
	SNC14	0	
	SNC15	0	
•	•	•	•

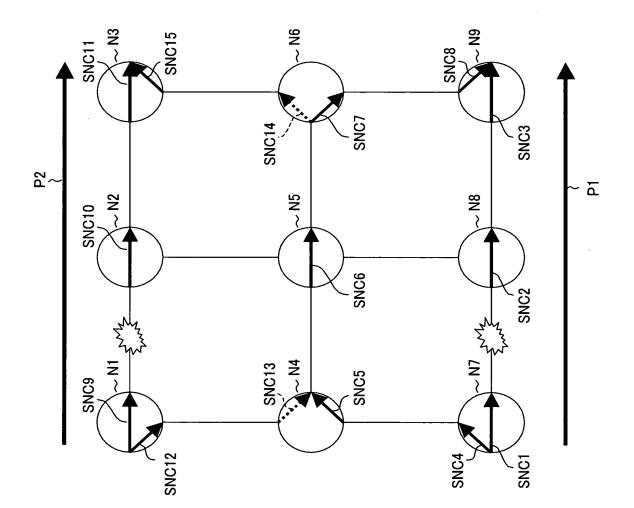
FIG. 15

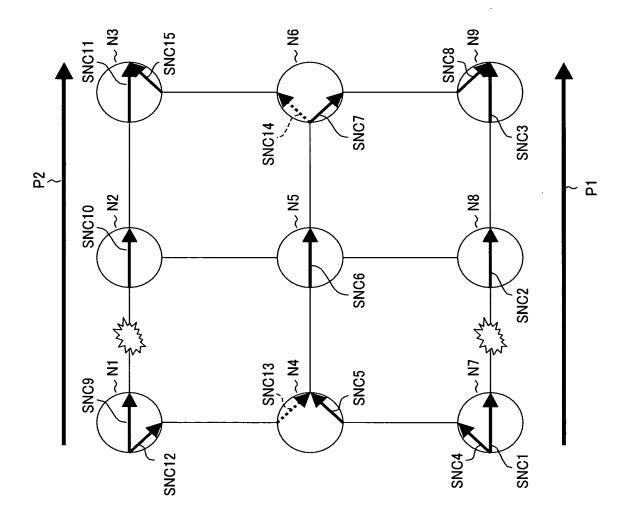
OVERLAPPING CONNECTION INFORMATION MANAGEMENT TABLE

CONNECTION CREATION INFORMATION	NUMBER OF RELATED PATHS
SNC4	1
SNC5	1
SNC6	2
SNC7	1
SNC8	1
SNC12	1
SNC13	0
SNC14	0
SNC15	1
•	•
•	•

FIG. 16







OVERLAPPING CONNECTION MANAGEMENT TABLE

CONNECTION CREATION INFORMATION	NUMBER OF RELATED PATHS
SNC4	1→0
SNC5	1→0
SNC6	2→1
SNC7	1→0
SNC8	1→0
SNC12	1
SNC13	0
SNC14	0
SNC15	1
•	•
•	•